

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-074834

(43)Date of publication of application : 16.03.1999

(51)Int.Cl. H04B 7/26

H04B 1/04

H04J 13/00

(21)Application number : 10-127714

(71)Applicant : NEC CORP

(22)Date of filing : 11.05.1998

(72)Inventor : MIMURA YUKIE

(30)Priority

Priority number : 09172072

Priority date : 27.06.1997

Priority country : JP

## (54) BASE STATION TRANSMISSION POWER CONTROL METHOD AND DEVICE FOR CDMA MOBILE COMMUNICATION SYSTEM

(57)Abstract:

**PROBLEM TO BE SOLVED:** To reduce the deterioration of outgoing speech quality generated when a desired power can not be transmitted by a mobile station by setting the value obtained by decreasing each desired transmission power and present set transmission power by using a power reduction ratio as a new transmission power when a base station total transmission power is larger than the prescribed maximum total transmission power.

**SOLUTION:** The information of a transmission power set by each communication channel transmitting part 101 is outputted to a total transmission power calculating part 103. The calculating part 103 calculates the total transmission power of communication channels 1-N, and outputs the result. A comparator 104 compares this total transmission power with the preliminarily normalized maximum total transmission power, and communicates the result to a reduction ratio calculating part 105. A reduction ratio calculating part 105 calculates a power reduction ratio from the compared result or the like, and communicates it to a transmission power deciding part 106. The transmission power deciding part 106 calculates a transmission power by using quality information communicated from a quality judging part 112 and the power reduction ratio, and communicates it to the transmitting part 101.

